

# Subsea Controls Down Under Conference

19th & 20th October 2016

Parmelia Hilton Hotel, 14 Mill Street, Perth, Western Australia

This international conference in the field of Subsea Controls and Umbilicals is aimed at those engaged in remote control and monitoring of subsea systems. This conference, provides a unique forum for the supplier and operator of subsea technology to exchange views and experiences.

The aim of this particular conference is to bring together the many diverse disciplines engaged internationally in Subsea Controls and Umbilical technology, to share experiences gained by discussing regional challenges, as well as new advances in global subsea technology. For this conference the theme will be “Enhancing Value for the Future: Lessons Learned and New Technologies”, showcasing ways of bringing new ideas and technology to provide operational cost savings plus understanding from an operator’s viewpoint how we can learn from experiences locally and internationally.

## Major Sponsors:



## Ice Breaker Sponsor:



## Delegate Wallet Sponsor:



## Post Conference Drinks Sponsor:



Photos courtesy of FMC Technologies



Subsea Controls  
Down Under 2016

Enhancing Value Through Technology

# Subsea Controls Down Under

19<sup>th</sup> & 20<sup>th</sup> October 2016

Parmelia Hilton Hotel, 14 Mill Street, Perth,  
Western Australia



## Keynote Presenter: Sean Salter, Vice President Technology – Woodside Energy Ltd



Sean was appointed as Vice President Technology in 2015. He has over 27 years' experience in the oil & gas industry, 25 as a Subsea & Pipeline engineer.

Sean is responsible for the identification, development and maturation of technology (across the breadth of business) that can provide Woodside with strategic advantage.

Sean joined Woodside in 2004 and has been responsible for the development of Woodside's Subsea & Pipeline capability. Prior to joining Woodside, Sean worked for Shell International for 15 years in the North Sea, Gulf of Mexico, Brazil and West of Africa.

## Session Chairs Include:

- Helena Forsyth, Principal Subsea Operations Engineer, INPEX
- David Keilty, SEV Team Lead, ABU Technical Authority – Subsea Control Systems & Umbilicals, Chevron Australia
- Harry Mackay, Subsea Package Lead, Subsea & Pipelines Function, Woodside Energy Ltd.
- Derek Thomson, Subsea Systems Lead – Prelude FLNG Project, Shell Australia



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## Ice Breaker Function

Date: Tuesday, 18<sup>th</sup> October 2016

Time: 6.00 pm - 9.00 pm

Venue: River Cruise (depart Barrack Street)

Cost: as per page 4

Details: Enjoy an evening cruise along the Swan River aboard the MV River Bells.

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## Conference Drinks

Date: Wednesday, 19<sup>th</sup> October 2016

Time: 5.10 pm – 6.10 pm

Venue: Parmelia, Hilton

Costs: as per page 4

Details: Enjoy post-conference drinks & canapés at the end of Day 1 of the conference

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## SEA Suppliers Forum

Date: Thursday, 20<sup>th</sup> October 2016

Time: 5.15 pm – 7.00 pm

Venue: Parmelia, Hilton

Costs: as per page 4

Details: At the end of Day 2, Subsea Energy Australia will host the 7th Annual Subsea Suppliers Forum. Thursday conference participants are invited to attend to meet and talk with industry in an informal atmosphere as well as celebrate the conference over drinks and canapés.



## Conference Organising Committee:



Ross Hendricks  
FMC Technologies



Harry Mackay  
Woodside Energy Ltd



Julien Levadoux  
OneSubsea



Derek Thompson  
Shell Australia



Harvey Smith  
Woodside Energy Ltd



Paul Upjohn  
Emerson Process  
Management



### Ice Breaker, Tuesday, 18 October 2016:

18:00 – 21:00 A cruise along the Swan River aboard the MV River Bells.

#### DAY ONE

##### Wednesday, 19 October 2016

08:30 Registration and coffee  
09:00 Welcome by Julie Morgan, SUT Perth Branch Chair

#### Session A: Keynote, Big Data 1 & Upgrade / Obsolescence 1

Chairperson: Harry Mackay, Woodside Energy Ltd

09:05 **Keynote Presentation: Title TBC**  
Sean Salter, Woodside Energy Ltd

09:30 **Effect of Condition Monitoring System on Availability of Subsea Equipment**  
Leong Pei Chze, Forsys Subsea

09:55 **Integrated solution for Operational Metering, Surveillance and Condition Based Maintenance**  
Luca Letizia, Schlumberger Software Integrated Solutions (SIS)

10:20 Morning Tea

10:50 **DC/FO, A Lean and Powerful DC Subsea Control Infrastructure**  
Ronan Michel, Alcatel-Lucent Submarine Networks

11:15 **System Sustainability & Obsolescence Management**  
Roger White, GE Oil & Gas

11:40 **Subsea Hydraulic Power Unit – Cost Effective Enabler for Deepwater Developments**  
Helge Milwertz, Siemens Subsea

12:05 Lunch  
13:05 **Panel Discussion: Operators TBC**

#### Session B: All Electric 1 & Measurement 1

Chairperson: TBC

13:35 **Understanding Electric Actuation Technology and its Impact on Subsea Projects**  
Andrea Rubio, OneSubsea, a Schlumberger company

14:00 **Subsea Electric Systems Enter a New Era**  
Sigurd Moe, FMC Technologies

14:25 **DigitRON3 – Providing a Compact Cost Effective Electrical Connector Solution Where You Need it Most**  
John Rogers, Siemens Subsea

14:50 Afternoon Tea

15:20 **Integrating & Operating A New Salinity Measurement System As Part of A Wet Gas Meter – Experiences from an Australian Pilot**  
Paul Upjohn, Emerson Process Management

15:45 **Increased Performance and Safety by Means of Subsea Instrumentation**  
Olav Brakstad, ClampOn AS

16:10 **Managing Flowline Buckling and Walking with Real time Position Monitoring**  
Stephen Fasham, Sonardyne International Ltd

16:35 **Oil / Water / Sand Quality Measurement – The Key Enabler for Subsea Separation Development**  
Si Huai Yeaw, Aker Solutions

17:00 Discussion and Day Wrap Up  
17:10 Conference Drinks & Canapés - Parmelia Hilton Hotel  
18:00 Day end

#### DAY TWO

##### Thursday, 20 October 2016

08:00 Registration and coffee  
08:30 Welcome by Harry Mackay, Woodside Energy Ltd

#### Session C: All Electric 2 & Measurement 2

Chairperson: TBC

08:35 **Subsea All-electric Technology: Now Available for the Future Field Developments**  
Salvatore Micali, Aker Solutions

09:00 **Increasing Shareholder Value with Subsea Electric Actuation Systems**  
Mark Perry, Wittenstein

09:25 **Controlling and Monitoring a Subsea High Voltage Distribution Network**  
Karstein Berge Kristiansen, Siemens Subsea

09:50 **On Umbilicals' and Power Umbilicals' Sensitivity to the Ambient Temperature**  
Magnus Komperød, Nexans Norway AS

10:15 Morning Tea

10:45 **Recent Developments in Wetgas Metering and Impact on Subsea Field Development**  
Richard Streeton, FMC Technologies

11:10 **Monitoring Multiphase flows via Earth's Field Nuclear Magnetic Resonance**  
Keelan O'Neill, UWA

11:35 **Online Real-time Corrosion and Erosion Monitoring of Subsea Pipework and Pipelines with Permanently or Retrofitted Installed Ultrasonic Sensor Arrays**  
Edd Tveit, Sensorlink

12:00 Lunch  
13:00 **Panel Discussion: Operators TBC**

#### Session D: Big Data 2 & Upgrade / Obsolescence 2

Chairperson: TBC

13:30 **Subsea and Topsides Controls Integration: The New MDIS Integration Standard**  
David Walker, Yokogawa Australia

13:55 **Data Analytics – Operational Technology & 'Big Data' analytics starts with Machine Knowledge**  
Matt Stone, GE Oil & Gas

14:20 **Disruptive potential of Subsea Internet of Things**  
Alek Cywinski, OneSubsea

14:45 Afternoon Tea

15:15 **V-LIFE: A Technology for the Rejuvenation of Subsea Insulation Resistance Failures**  
Neil Douglas, Viper Subsea

15:40 **Closing the Subsea Equipment Feedback Loop**  
Oddbjorn Gjerde, Wood Group Kenny

16:05 **Life of Field is More Than Just 'Existence'**  
Kevin Glanville, Proserv Controls (UK)

16:30 **Generations of Subsea Control System – Challenges and Solutions**  
Gunasekaran Settiyannan, FMC Technologies

16:55 Session Discussion & Closing Remarks, Julie Morgan  
17:15 SEA Forum



# Subsea Controls Down Under 19<sup>th</sup> & 20<sup>th</sup> October 2016 Registration Form



- Fee includes:** Attendance at technical sessions, USB of conference proceedings, delegate wallet, morning and afternoon tea, lunch and social function/s on the day/s you attend the conference.
- Ice Breaker:** Is included with 2 day conference passes. Those purchasing a 1 day conference will be required to purchase a ticket to the Ice Breaker as per cost below. Please note places are limited at this function.
- Joining Instructions:** Joining instructions will be e-mailed to each registered participant sent prior to the conference.
- Conference Proceedings:** PDF Presentations will be compiled on a USB and will be given upon registration onsite.
- Venue:** Parmelia Hilton Hotel (Swan Room), Mill Street, Perth, Western Australia, 6000
- Accommodation:** Delegates are required to make their own hotel reservations. Further details will be supplied in the joining instructions.
- Dress Code:** Smart-casual
- Cancellations:** Refunds will be made on written cancellation received up to 20 working days prior to the event but will be subject to a 15% administration charge. Cancellations received 19-5 working days prior to the event will be charged a 50% cancellation fee. Cancellations received 4-0 working days prior to the event will not be refunded. Delegates may wish to nominate a substitute in their place at no charge.

Please select your technical conference type and the social functions you wish to attend:

- Technical Conference 2 Day Pass:** (includes Tuesday's Ice Breaker, Wednesday's Conference Drinks & Thursday's SEA Forum)
- Member (\$550)     Non-member (\$600)     Student (\$350)
- Presenter (\$275)     Co-Presenter (\$450)
- Select social function/s:**     Ice Breaker (n/c)     Conference Drinks (n/c)     SEA Forum (n/c)

- Technical Conference 1 Day Pass:** (includes function on chosen conference day)
- Member (\$325)     Non-member (\$375)     Student (\$195)
- Presenter (n/c)     Co-Presenter (\$245)
- Ice Breaker:**     Member/Student/Presenter/Co-Presenter (\$77)     Non-member (\$99)
- Select day / social function:**     Wed     Conference Drinks (complimentary if attending Wednesday)
- or
- Thurs     SEA Forum (complimentary if attending Thursday)

Please e-mail completed form to [Perthevents@sut.org](mailto:Perthevents@sut.org)

Please tick to indicate your preferred payment method: \_\_\_\_\_ SUT Member No. \_\_\_\_\_

Credit Card \_\_\_\_\_ (Visa, MasterCard or AMEX only)\*    Invoice (PO No.) \_\_\_\_\_

Name \_\_\_\_\_ Position \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

Phone no. \_\_\_\_\_ E-mail address \_\_\_\_\_

Dietary Requirements \_\_\_\_\_

Credit Card No: VISA, MASTERCARD or AMEX\* \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ Exp. \_\_\_\_\_ / \_\_\_\_\_

Security no \_\_\_\_\_ (last 3 digits on the back of your card) \* Payment by Visa or MasterCard will carry a 1.5% surcharge / AMEX will carry a 2.75% surcharge.

Name on the card \_\_\_\_\_

Billing Address if not as above \_\_\_\_\_

E-mail address where receipt should be sent for credit card payment \_\_\_\_\_

Amount to be invoiced \$ \_\_\_\_\_ E-mail address where invoice should be sent \_\_\_\_\_